

PRINTED CIRCUIT EMBEDDED CAPACITORS**Abstract of the Disclosure**

5 One of a plurality of capacitors embedded in a printed circuit structure includes
a first electrode (415) overlaying a first substrate layer (505) of the printed
circuit structure, a crystallized dielectric oxide core (405) overlaying the first
electrode, a second electrode (615) overlying the crystallized dielectric oxide
10 core, and a high temperature anti-oxidant layer (220) disposed between and
contacting the crystallized dielectric oxide core and at least one of the first and
second electrodes. The crystallized dielectric oxide core has a thickness that is
less than 1 micron and has a capacitance density greater than 1000 pF/mm².
The material and thickness are the same for each of the plurality of capacitors.
The crystallized dielectric oxide core may be isolated from crystallized dielectric
15 oxide cores of all other capacitors of the plurality of capacitors.